IFWO

RAW SEQUENCE LISTING   DATE: 08/30/2004
PATENT APPLICATION: US/10/784,528   TIME: 14:56:52

Input Set : N:\Crf3\RULE60\10784528.raw.txt
Output Set: N:\CRF4\08302004\J784528.raw

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 1 <110> APPLICANT: Case Western Reserve University
 2       Brown, Arthur M.
 3       Wible, Barbara A.
 4 <120> TITLE OF INVENTION: Methods of Inducing Apoptosis in Hyperproliferative Cells
 5 <130> FILE REFERENCE: 22884/04047
 6 <140> CURRENT APPLICATION NUMBER: US/10/784,528
 7 <141> CURRENT FILING DATE: 2004-02-23
 8 <150> PRIOR APPLICATION NUMBER: US/10/000,778
 9 <151> PRIOR FILING DATE: 2001-10-31
10 <160> NUMBER OF SEQ ID NOS: 2
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 1725
15 <212> TYPE: DNA
16 <213> ORGANISM: Homo sapiens
17 <400> SEQUENCE: 1
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20       cccattcccc caacgctgtt ggcccctggc accctgctgg ccccaagcg tgaggtggac      180
21       atgcacccc ctctgcccca gcctgtgcac cctgatgtca ccatgaaacc attgcccttc      240
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25       tgtctctgtg agaccagctg cccccaggaa gattattttc cccccaacct ctttgtcaag     480
26       gttaatggga aactgtgccc cctgccgggt taccttcccc caaccaagaa tggggccgag     540
27       cccaagaggc ccagccgccc catcaacatc acacccctgg ctcgactctc agccactgtt     600
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35       gatgagatcc aattcatgga agatggatcc tggtgcccaa tgaaacccaa gaaggaggca    1080
36       tctgaggttt gccccccgcc agggtatggg ctggatggcc tccagtacag cccagtccag    1140
37       gggggagatc catcagagaa taagaagaag gtcgaagtta ttgacttgac aatagaaagc    1200
38       tcatcagatg aggaggatct gccccctacc aagaagcact gttctgtcac ctcagctgcc    1260
39       atcccggccc tacctggaag caaaggagtc ctgacatctg gccaccagcc atcctcggtg    1320
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45      agcattgtgg cccctggggg ggccttgagg gaggggcatg gaggacccct gccctcaggt   1680
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49 <211> LENGTH: 574
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 2
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56                      20                  25                  30
57      Val Gly Ser Pro Gly Pro Leu Ala Pro Ile Pro Pro Thr Leu Leu Ala
58                      35                  40                  45
59      Pro Gly Thr Leu Leu Gly Pro Lys Arg Glu Val Asp Met His Pro Pro
60              50                  55                  60
61      Leu Pro Gln Pro Val His Pro Asp Val Thr Met Lys Pro Leu Pro Phe
62      65                  70                  75                  80
63      Tyr Glu Val Tyr Gly Glu Leu Ile Arg Pro Thr Thr Leu Ala Ser Thr
64                      85                  90                  95
65      Ser Ser Gln Arg Phe Glu Glu Ala His Phe Thr Phe Ala Leu Thr Pro
66                      100                 105                 110
67      Gln Gln Val Gln Gln Ile Leu Thr Ser Arg Glu Val Leu Pro Gly Ala
68                      115                 120                 125
69      Lys Cys Asp Tyr Thr Ile Gln Val Gln Leu Arg Phe Cys Leu Cys Glu
70              130                 135                 140
71      Thr Ser Cys Pro Gln Glu Asp Tyr Phe Pro Pro Asn Leu Phe Val Lys
72      145                 150                 155                 160
73      Val Asn Gly Lys Leu Cys Pro Leu Pro Gly Tyr Leu Pro Pro Thr Lys
74                      165                 170                 175
75      Asn Gly Ala Glu Pro Lys Arg Pro Ser Arg Pro Ile Asn Ile Thr Pro
76                      180                 185                 190
77      Leu Ala Arg Leu Ser Ala Thr Val Pro Asn Thr Ile Val Val Asn Trp
78                      195                 200                 205
79      Ser Ser Glu Phe Gly Arg Asn Tyr Ser Leu Ser Val Tyr Leu Val Arg
80              210                 215                 220
81      Gln Leu Thr Ala Gly Thr Leu Leu Gln Lys Leu Arg Ala Lys Gly Ile
82      225                 230                 235                 240
83      Arg Asn Pro Asp His Ser Arg Ala Leu Ile Lys Glu Lys Leu Thr Ala
84                      245                 250                 255
85      Asp Pro Asp Ser Glu Val Ala Thr Thr Ser Leu Arg Val Ser Leu Met
86                      260                 265                 270
87      Cys Pro Leu Gly Lys Met Arg Leu Thr Val Pro Cys Arg Ala Leu Thr
88              275                 280                 285
89      Cys Ala His Leu Gln Ser Phe Asp Ala Ala Leu Tyr Leu Gln Met Asn
90              290                 295                 300
91      Glu Lys Lys Pro Thr Trp Thr Cys Pro Val Cys Asp Lys Lys Ala Pro
92      305                 310                 315                 320
93      Tyr Glu Ser Leu Ile Ile Asp Gly Leu Phe Met Glu Ile Leu Ser Ser
94                      325                 330                 335
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 96                 340                 345                 350
 97     Pro Met Lys Pro Lys Lys Glu Ala Ser Glu Val Cys Pro Pro Pro Gly
 98                 355                 360                 365
 99     Tyr Gly Leu Asp Gly Leu Gln Tyr Ser Pro Val Gln Gly Gly Asp Pro
100                 370                 375                 380
101      Ser Glu Asn Lys Lys Lys Val Glu Val Ile Asp Leu Thr Ile Glu Ser
102     385                 390                 395                 400
103      Ser Ser Asp Glu Glu Asp Leu Pro Pro Thr Lys Lys His Cys Ser Val
104                 405                 410                 415
105      Thr Ser Ala Ala Ile Pro Ala Leu Pro Gly Ser Lys Gly Val Leu Thr
106                 420                 425                 430
107      Ser Gly His Gln Pro Ser Ser Val Leu Arg Ser Pro Ala Met Gly Thr
108                 435                 440                 445
109      Leu Gly Gly Asp Phe Leu Ser Ser Leu Pro Leu His Glu Tyr Pro Pro
110                 450                 455                 460
111      Ala Phe Pro Leu Gly Ala Asp Ile Gln Gly Leu Asp Leu Phe Ser Phe
112     465                 470                 475                 480
113      Leu Gln Thr Glu Ser Gln His Tyr Gly Pro Ser Val Ile Thr Ser Leu
114                 485                 490                 495
115      Asp Glu Gln Asp Ala Leu Gly His Phe Phe Gln Tyr Arg Gly Thr Pro
116                 500                 505                 510
117      Ser His Phe Leu Gly Pro Leu Ala Pro Thr Leu Gly Ser Ser His Cys
118                 515                 520                 525
119      Ser Ala Thr Pro Ala Pro Pro Pro Gly Arg Val Ser Ser Ile Val Ala
120                 530                 535                 540
121      Pro Gly Gly Ala Leu Arg Glu Gly His Gly Gly Pro Leu Pro Ser Gly
122     545                 550                 555                 560
123      Pro Ser Leu Thr Gly Cys Arg Ser Asp Ile Ile Ser Leu Asp
124                 565                 570
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<u>Invalid Line Length:</u>
The rules require that a line not exceed 72 characters in length. This includes spaces.

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VERIFICATION SUMMARY   DATE: 08/30/2004
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